Altern-e.doc

BURNER UPGRADE/REPLACEMENT PROGRAM

8/2/91

1. (Raffi Recom) Multi-Year Test Program

Operational Improvement

Disadvantages:

1. Doesn't address testing a new burner design which improves the capabilities of handling thermal gradients.

If the heart of the problem is B&W's lack of confidence in their burner design, than we need to install and test proto-type burners as early as possible. Options include: installing one full row of new burners or installing several scattered thru out the unit (as B&W suggests). Additionally, B&W needs to seriously consider installing more than one alternative burner design.

2. There is concern over what we're attempting to test and improve operationally. If the intent is to improve the Operational Setup of the burners, then we need to seriously consider jumping into the full project.

The heart of the issue is installation and testing of the flame stabilizer concept either on a full or partial scale basis.

ALTERNATIVES:

1. Install 1 row of B&W's new burner design (including mix of alternative burner design concepts). Location of test burners- third row back wall (H pulv) (catagorically, third rows require highest amounts of cooling air, plus fourth row buners have been back retrofitted with HD registers).

2.

B&W - won't accept substandard
go to someone else